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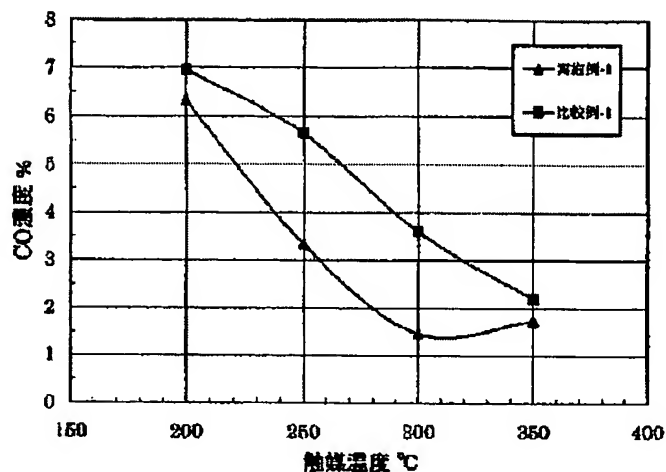
APPLICATION NUMBER : 2002059224

APPLICANT : NE CHEMCAT CORP;

INVENTOR : KAJI HIROYUKI;

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TITLE : CATALYST FOR REMOVING CARBON MONOXIDE IN HYDROGEN GAS



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a catalyst for removing CO having an effect to suppress a methanation reaction in which catalyst activity is high when used to remove CO contained in a hydrogen rich gas, such as a reformed gas, by converting to  $\text{CO}_2$  by the reaction of a water gas shift, and in which the CO is converted to  $\text{CH}_4$  in a high temperature region.

SOLUTION: This catalyst for removing carbon monoxide in the hydrogen rich gas is characterized in that platinum and/or platinum oxide and rhenium and/or rhenium oxide are supported on a carrier comprising titania or a metal oxide containing the titania.

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